

OS-CON OS-CON Line-up Guidelines and precautions Selection guide Technical data Surface mount type Radial lead type Catalog Deletion and EOL series POSCAP POSCAP Line-up Guidelines and precautions Series system diagram Image of case size Products list Explanation of part numbers Packing specifications Recommended soldering condition Fundamental structure Characteristics Reliability	Surface mount type TPG Series Update	RoHS compliance, Halogen free Small size, Low profile: L3.5xW2.8xH1.1mm (B1G) Large capacitance: 6.3V220μF (B15G)																																																																																																																																																																																																																																	
	Specifications	<table> <tr> <th colspan="2">Items</th><th colspan="2">Condition</th><th colspan="8">Specifications</th></tr> <tr> <td>Rated voltage</td><td>(V)</td><td colspan="2">—</td><td>2.5</td><td>4.0</td><td>6.3</td><td>8.0</td><td>10</td><td colspan="3">12.5</td></tr> <tr> <td>Surge voltage</td><td>(V)</td><td colspan="2">—</td><td>2.9</td><td>4.6</td><td>7.2</td><td>9.2</td><td>12</td><td colspan="3" rowspan="18">14</td></tr> <tr> <td>Category temperature range</td><td>(°C)</td><td colspan="2">—</td><td colspan="8">-55 to +105</td></tr> <tr> <td>Capacitance tolerance</td><td>(%)</td><td colspan="2">120Hz/20°C</td><td colspan="8">M : ±20</td></tr> <tr> <td>Rated capacitance range</td><td>(μF)</td><td colspan="2">120Hz/20°C</td><td colspan="8">33 to 220</td></tr> <tr> <td>Dissipation Factor (DF)</td><td></td><td colspan="2">120Hz/20°C</td><td colspan="8">Please see the attached characteristics list</td></tr> <tr> <td>Leakage current</td><td></td><td colspan="2">Rated voltage applied, after 5 minutes</td><td colspan="8">Please see the attached characteristics list</td></tr> <tr> <td>Equivalent series resistance (ESR)</td><td></td><td colspan="2">100kHz/20°C</td><td colspan="8">Please see the attached characteristics list</td></tr> <tr> <td rowspan="2">Characteristics of impedance ratio at high temp. and low temp.</td><td rowspan="2"></td><td rowspan="2">100kHz/+20°C</td><td>-55°C</td><td>Z/Z_{20°C}</td><td colspan="7">0.6 to 2.0</td></tr> <tr> <td>+105°C</td><td>Z/Z_{20°C}</td><td colspan="7" rowspan="10">0.6 to 2.0</td></tr> <tr> <td rowspan="3">Endurance</td><td rowspan="3">85°C, 1,000h rated voltage applied</td><td colspan="2">ΔC/C</td><td colspan="8">Within±20% of the initial value</td></tr> <tr> <td colspan="2">DF</td><td colspan="8">≤ 1.5 times of the initial limit</td></tr> <tr> <td colspan="2">LC</td><td colspan="8">Within the initial limit</td></tr> <tr> <td rowspan="3">Damp heat (Steady State)</td><td rowspan="3">60°C, 90 to 95%RH, 500h, No-applied voltage</td><td colspan="2">ΔC/C</td><td colspan="8">Within+40%, -20% of the initial value</td></tr> <tr> <td colspan="2">DF</td><td colspan="8">≤ 1.5 times of the initial limit</td></tr> <tr> <td colspan="2">LC</td><td colspan="8">≤ 3 times of the initial limit</td></tr> <tr> <td rowspan="3">Surge</td><td rowspan="3">85°C, 1,000 cycles, 1kΩ discharge resistance, surge voltage applied</td><td colspan="2">ΔC/C</td><td colspan="8">Within±5% of the initial value</td></tr> <tr> <td colspan="2">DF</td><td colspan="8">Within the initial limit</td></tr> <tr> <td colspan="2">LC</td><td colspan="8">≤ 3 times of the initial limit</td></tr> </table>	Items		Condition		Specifications								Rated voltage	(V)	—		2.5	4.0	6.3	8.0	10	12.5			Surge voltage	(V)	—		2.9	4.6	7.2	9.2	12	14			Category temperature range	(°C)	—		-55 to +105								Capacitance tolerance	(%)	120Hz/20°C		M : ±20								Rated capacitance range	(μF)	120Hz/20°C		33 to 220								Dissipation Factor (DF)		120Hz/20°C		Please see the attached characteristics list								Leakage current		Rated voltage applied, after 5 minutes		Please see the attached characteristics list								Equivalent series resistance (ESR)		100kHz/20°C		Please see the attached characteristics list								Characteristics of impedance ratio at high temp. and low temp.		100kHz/+20°C	-55°C	Z/Z _{20°C}	0.6 to 2.0							+105°C	Z/Z _{20°C}	0.6 to 2.0							Endurance	85°C, 1,000h rated voltage applied	ΔC/C		Within±20% of the initial value								DF		≤ 1.5 times of the initial limit								LC		Within the initial limit								Damp heat (Steady State)	60°C, 90 to 95%RH, 500h, No-applied voltage	ΔC/C		Within+40%, -20% of the initial value								DF		≤ 1.5 times of the initial limit								LC		≤ 3 times of the initial limit								Surge	85°C, 1,000 cycles, 1kΩ discharge resistance, surge voltage applied	ΔC/C		Within±5% of the initial value								DF		Within the initial limit								LC		≤ 3 times of the initial limit							
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Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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